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OTIA 3905

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DESCRIPTORS: *Thermochemistry, *Iron, Smelting,
*Slags, Heat of formation, Oxides, Silicic acids, Glass.

Report is made about the heats of solution of four different slags of the iron smelting operations, and the heat of formation from the oxides is calculated approximately. The latter decreases with increasing silicic acid content. The same observation is made on sodium waterglasses. That the "acid" process offers particular thermal advantages is doubtful according to this, until exact calorimetric values are available.

62-18133

I. Roth, W. A.
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C227865

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- I. Roth, W.
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- III. ATS-04M46G
- IV. Associated Technical
Services, Inc., East
Orange, N. J.
- V. Title: Drawing...

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DESCRIPTORS: *Synthetic fibers, Production, Polymers,
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A method for the tracing of stress-elongation diagrams
is described. The effect of the spinning conditions on
the pre-orientation for polycondensate filaments
(especially polyester filaments) is examined. Beside
the maximum stretching rate, the natural stretching
rate and the shrinking of the unstretched material is a
measure of the pre-orientation. The changes of
(Materials--Textiles, TT, v. 8, no. 6) (over)

62-16740

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III. Title: Effect ...

C222872

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DESCRIPTORS: *Synthetic fibers, Production, Density, Crystallization, Heat treatment, Microstructure, Liquids, Temperature.

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62-16006

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C222668

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TT-65-13892

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Handbooks, *Functions, Theory, Complex variables,
Integrals, Potential theory, Integration, Taylor's
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JPRS 14171

HEAR - Germany
Econ
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